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1 Modeling event-driven service-oriented systems using the palladio component model

Christoph Rathfelder, Samuel Kounev

August 2009 **QUASOSS '09: Proceedings of the 1st international workshop on software systems**

Publisher: ACM

Full text available: Pdf (333.13 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 2, Download

The use of event-based communication within a Service-Oriented Archit including more loosely-coupled services and better scalability. However, it difficult for system developers to ...

Keywords: event-driven communication, performance prediction, softw

2 Achieving long-term surveillance in VigilNet

Pascal Vicallef, Tian He, Qing Cao, Ting Yan, Gang Zhou, Lin Gu, Liqian Luo

Tarek F. Abdelzaher

February 2009 **Transactions on Sensor Networks (TOSN)**, Volume 5 Issue

Publisher: ACM

Full text available: Pdf (3.50 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 203, Download

Energy efficiency is a fundamental issue for outdoor sensor network sys and implementation of multidimensional power management strategies support long-term surveillance using ...

Keywords: Applications of sensor and actuator networks, and longevity, resource management, energy conservation, network protocols, sensor

3 S³: a scalable sensing service for monitoring large networked system

Praveen Yalagandula, Puneet Sharma, Sugata Banerjee, Supoj Basu, Sung-

September 2006 **INM '06: Proceedings of the 2006 SIGCOMM workshop on**

Publisher: ACM

Full text available: Pdf (941.50 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 61, Download

Efficiently operating and managing large scale distributed and federated problem. Current solutions are a combination of centralized management and the infrastructure. With the explosion ...

4 Knowing the user's every move; user activity tracking for website usage interaction

◆ Richard Atterer, Monika Wnuk, Albrecht Schmidt
May 2006 **WWW '06: Proceedings of the 15th international conference on World Wide Web**
Publisher: ACM
Full text available: [PDF \(1.22 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 424, Download

In this paper, we investigate how detailed tracking of user interaction can be achieved using various technologies. Our motivation is to enable implicit interaction and to ease the use of applications outside the lab. To obtain ...

Keywords: HTTP proxy, implicit interaction, mouse tracking, user activity tracking, user evaluation

5 IrisNet: an architecture for internet-scale sensing services

Suman Nath, Amol Deshpande, Yan Ke, Phillip B. Gibbons, Brad Karp, Srinivasan Seshan
September 2003 **VLDB '03: Proceedings of the 29th international conference on Very Large Data Bases - Volume 29**, Volume 29

Publisher: VLDB Endowment
Full text available: [PDF \(458.80 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 16, Download

We demonstrate the design and an early prototype of IrisNet (Internet-Sensing Network services), a common, scalable networked infrastructure for distributed sensing. IrisNet is a potentially global network of ...

6 Extending the lifetime of wireless sensor networks through mobile relay nodes

Wei Wang, Vikram Srinivasan, Kee-Chaing Chua
October 2008 **IEEE/ ACM Transactions on Networking (TON)**, Volume 16, Number 5

Publisher: IEEE Press [Request Permissions](#)
Full text available: [PDF \(1.14 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 149, Download

We investigate the benefits of a heterogeneous architecture for wireless sensor networks where a few resource rich mobile relay nodes and a large number of simple sensor nodes can extend the lifetime of the network by using less energy than the static sensors. ...

Keywords: mobile relay, network lifetime, sensor networks

7 Mimic: raw activity shipping for file synchronization in mobile file systems

◆ Tae-Young Chang, Aravind Velayutham, Raghupathy Sivakumar
June 2004 **MobiSys '04: Proceedings of the 2nd international conference on Mobile systems, applications and services**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(334.54 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Download

In this paper, we consider the problem of file synchronization when a backbone file server in a network file system. Several *diff* schemes have transfer overheads of conventional ...

Keywords: file synchronization, mobile file system, raw activity shippin

8 Resolving feature convolution in middleware systems

 **Charles Zhang, Hans-Arno Jacobsen**

October 2004 **OOPSLA '04: Proceedings of the 19th annual ACM SIGPLAN symposium on programming, systems, languages, and applications**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(569.29 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 117, Download

Middleware provides simplicity and uniformity for the development of distributed systems. The modularity of the architecture of middleware is starting to disintegrate as the interaction of too many orthogonal ...

Keywords: aspect oriented middleware, middleware architecture

Also published in:

October 2004 **SIGPLAN Notices** Volume 39 Issue 10

9 OO techniques applied to a real-time, embedded, spaceborne application

 **Alexander T. Murray, Mohammad Shahabuddin**

October 2006 **OOPSLA '06: Companion to the 21st ACM SIGPLAN symposium on programming, systems, languages, and applications**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(510.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 93, Download

Though Object-Oriented Analysis, Design, and languages have become most, domains of software engineering, concerns about complexity, size and real-time software domain have led to a prevalent ...

Keywords: C++, embedded, object-oriented analysis, object-oriented language, use case

10 A bibliography of parallel debuggers, 1993 edition

 **Cherri M. Pancake, Robert H. B. Netzer**

December 1993 **PADD '93: Proceedings of the 1993 ACM/ONR workshop on parallel debugging**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(1.17 MB\)](#)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 41, Download

Also published in:

December 1993 **SIGPLAN Notices** Volume 28 Issue 12

11 HPC-Colony: services and interfaces for very large systems

 Sayantan Chakravorty, Celso L. Mendes, Laxmikant V. Kalé, Terry Jones, A Moreira

April 2006 **SIGOPS Operating Systems Review**, Volume 40 Issue 2

Publisher: ACM

Full text available:  Pdf (437.39 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 37, Download

Traditional full-featured operating systems are known to have properties distributed memory parallel programs, the most common programming computing. Furthermore, as processor counts increase ...

12 Sensor: the atomic computing particle

 Vijay Kumar

 December 2003 **SIGMOD Record**, Volume 32 Issue 4

Publisher: ACM

Full text available:  Pdf (176.98 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 36, Download

We visualize the world as a fully connected information space where each objects without any temporal and geographical constraints. We can model fine granularity processing which can ...

13 Conformance checking of service behavior

 Wil M. P. van der Aalst, Marlon Dumas, Chun Ouyang, Anne Rozinat, Eric V. Weijters

 May 2008 **Transactions on Internet Technology (TOIT)**, Volume 8 Issue 2

Publisher: ACM 

Full text available:  Pdf (1.99 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 340, Download

A service-oriented system is composed of independent software units, no one another exclusively through message exchanges. The proper function whether or not each individual service behaves ...

Keywords: BPEL, Petri nets, ProM, Web services, conformance

14 Human-in-the-loop: rethinking security in mobile and pervasive systems

 Vassilis Kostakos

 April 2008 **CHI '08: CHI '08 extended abstracts on Human factors in computing**

Publisher: ACM 

Full text available:  Pdf (116.61 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 156, Download

In this paper we argue that pervasive systems introduce human-driven traditional usability design cannot address. We claim that there is a need appropriate role of humans in the context of pervasive ...

Keywords: mobility, pervasive and ubiquitous systems, security, social

15 Challenges and practices in deploying web acceleration solutions for
Wen-Syan Li, Wang-Pin Hsiung, Oliver Po, Koji Hino, Kasim Selcuk Candan

 May 2004 **WWW '04**: Proceedings of the 13th international conference c

Publisher: ACM

Full text available:  Pdf (6.61 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 94, Download

For most Web-based applications, contents are created dynamically based such as product prices and inventory, stored in database systems. These content and track user behavior while ...

Keywords: application server, dynamic content, edge server, fragment acceleration

16 Comparison of online social relations in volume vs interaction: a case

 Hyunwoo Chun, Haewoon Kwak, Young-Ho Eom, Yong-Yeol Ahn, Sue Moon
October 2008 **IMC '08**: Proceedings of the 8th ACM SIGCOMM conference c

Publisher: ACM 

Full text available:  Pdf (1.10 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 122, Downloads (12 Months): 777, Download

Online social networking services are among the most popular Internet have become a key feature in many Internet services. Users interact the networking services: making friend ...

Keywords: clustering coefficient, cyworld, degree correlation, degree d relationship, guestbook log, k-core, network motif, online social network

17 A management and performance framework for semantic web serve

 Malena Mesarina, Venugopal Srinivasamurthy, Nic Lyons, Craig Sayers
May 2007 **WWW '07**: Proceedings of the 16th international conference c

Publisher: ACM

Full text available:  Pdf (70.27 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 59, Download

The unification of Semantic Web query languages under the SPARQL standard commercial-quality implementations are encouraging industries to use this information. Current implementations, however, lack ...

Keywords: management, performance, semantic web

18

18 Resonance on the web: web dynamics and revisit patterns

Etyan Adar, Jaime Teevan, Susan T. Dumais

April 2009 **CHI '09: Proceedings of the 27th international conference on****Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf \(2.14 MB\)](#)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 170, Downl

The Web is a dynamic, ever-changing collection of information accessed explores the relationship between Web page content change (obtained from pages) and people's revisit to those pages (collected ...

Keywords: change, re-finding, resonance, revisit, web behavior, v**19 The design and evaluation of a mobile sensor/actuator network for a**

Tim Wark, Chris Grossman, Wen Hu, Ying Guo, Philip Valencia, Pavan Sikk, Henshall, Kishore Prayaga, Julian O'Grady, Matt Reed, Andrew Fisher

April 2007 **IPSN '07: Proceedings of the 6th international conference on** networks**Publisher:** ACMFull text available:  [Pdf \(2.04 MB\)](#)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 233, Downl

This paper investigates a mobile, wireless sensor/actuator network application in the dairy industry. Our goal is to prevent fighting between bulls in on-farm breed applying appropriate stimuli when one bull ...

Keywords: application, autonomous animal control, sensor/actuator ne**20 The travails of visually impaired web travellers**

Carole Goble, Simon Harper, Robert Stevens

May 2000 **HYPertext '00: Proceedings of the eleventh ACM on Hypertext and Hypermedia conference****Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf \(229.51 KB\)](#)Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 97, Downlo**Keywords:** hypertext, mobility, navigation, travel, usability, visual impResult page: **1** [2](#) [3](#)

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